## **Employment Cost Index Technical Note**

The Employment Cost Index (ECI) is a quarterly index that measures the change in the cost of labor, free from the influence of employment shifts among occupations and industries. It measures that change for total compensation (wages, salaries, and employer costs for employee benefits), for wages and salaries only, and for benefit costs only.

Wages and salaries are defined as the hourly straighttime wage rate, or straight-time earnings divided by the corresponding hours. Straight-time wage and salary rates are total earnings before payroll deductions, excluding premium pay for overtime and for work on weekends and holidays, shift differentials, and nonproduction bonuses such as lump-sum payments.

Benefits covered by the ECI are: Paid leave, supplemental pay, insurance benefits, retirement and savings benefits, legally required benefits, and other benefits.

The ECI provides data for the civilian economy, which includes the private economy and the public sector—excluding farms, private households, the self-employed and the Federal Government. Data are provided separately for the public and private sectors.

Each quarter, straight-time average hourly wage and salary rates and benefit cost data are collected from a probability sample. Data are collected for the pay period including the 12th day of the survey months of March, June, September, and December.

The sample establishments are classified by industry based on the 1987 Standard Industrial Classification (SIC) Manual, as defined by the U.S. Office of Management and Budget. Within an establishment, specific job categories are selected to represent broad occupational definitions. In 1996, some establishments in motor freight transportation and warehousing (SIC 42), transportation by air (SIC 45), and transportation services (SIC 47) were reclassified into air courier services (SIC 4513). These establishments were engaged in the delivery of letters, parcels, and packages, but were also operated as support establishments of enterprises that engaged in furnishing air delivery of individually addressed letters, parcels, and packages. Since the definition for SIC 4513 includes support establishments, these establishments were reclassified. For the ECI, these re-

classifications took effect in the June 1998 reference period

Fixed employment weights are used each quarter to calculate the most aggregate indexes—civilian, private, and State and local governments. These fixed weights are also used to derive all of the industry and occupation series indexes. Since March 1995, the 1990 employment counts, primarily from the Bureau's Occupational Employment Survey, were used. From June 1986 to December 1994, employment counts from the 1980 Census were used as weights. Prior to June 1986, employment counts from the 1970 Census were used.

For the series based on bargaining status, region, and area size, employment data are not available from the Census. The employment weights are reallocated within these series each quarter based on the current ECI sample. The indexes for these series, consequently, are not strictly comparable to those for the aggregate, industry, and occupation series. A fuller explanation of the calculation of index numbers appears in the article, "Estimation Procedures for the Employment Cost Index," *Monthly Labor Review*, May 1982.

Beginning with the release of ECI data for March 1990, indexes were rebased to June 1989=100. Beginning with the release of ECI data for December 1990, seasonally adjusted data are available for selected ECI series. A description of the rebasing is available in "Employment Cost Index Rebased to June 1989," *Monthly Labor Review*, April 1990.

The costs per hour worked of compensation components, based on March data from the ECI, are published in a separate news release titled, "Employer Costs for Employee Compensation." The cost levels, which are published annually in mid-June, are calculated with current employment weights, rather than the fixed 1990 weights.

More detailed information on the ECI may be obtained by writing to the ECI, Division of Compensation Data Analysis and Planning, Bureau of Labor Statistics, 2 Massachusetts Ave. NE, Room 4175, Washington, DC 20212-0001.

Telephone: (202) 691-6199 E-mail: ocltinfo@bls.gov

Internet: http://stats.bls.gov/ecthome.htm

TABLE A-1. Employment Cost Index for total compensation, wages and salaries, and benefit costs by industry and occupational group, selected periods, 1997-99

(Seasonally adjusted data)

la de de come de come di contra de come		s (June =100)			Percent c	hanges fo	r 3-months	s ended—		
Industry and occupational group	June 1999	Sep. 1999	Dec. 1997	Mar. 1998	June 1998	Sep. 1998	Dec. 1998	Mar. 1999	June 1999	Sep. 1999
TOTAL COMPENSATION										
Civilian workers	141.7 141.5 141.8	142.9 142.6 143.0	1.0 .7 1.1	0.7 .7 .7	0.9 .7 .9	0.9 .7 1.0	0.7 .7 .7	0.4 .6 .4	1.1 .8 1.2	0.8 .8 .8
Industry										
Goods producing <sup>2</sup> Construction <sup>3</sup> Manufacturing Durables Nondurables	139.8 136.6 140.7 141.0 140.3	141.0 137.5 142.0 142.2 141.6	.4 .5 .6 .6	.7 .7 .7 .7	.8 1.2 .6 .6	.7 .4 .7 .7	.5 1.2 .6 .6	.7 1.0 .6 .6	.6 .5 .6 .7	.9 .7 .9 .9
Service producing <sup>4</sup>	142.7 141.0 144.4 139.0	143.9 141.8 146.3 139.6	1.4 1.1 .6 .9	.7 .9 1.6 .9	.9 1.2 .6 .8	1.2 .9 1.7 1.0	.8 .7 1.6 .2	.1 .0 3 .7	1.4 1.1 1.3 1.5	.8 .6 1.3 .4
Finance, insurance, and real estate <sup>3,6</sup>	145.8 144.7	147.6 146.0	3.1 1.2	1.6 .5	1.2 .8	1.9 .9	1.1 .8	7 .5	3.0 .8	1.2 .9
Nonmanufacturing	142.0	143.2	1.4	.8	.9	1.1	.9	.2	1.3	.8
Occupational group										
White collar Blue collar Service <sup>3</sup>	144.1 138.1 140.4	145.5 139.3 140.5	1.4 .7 .8	.7 .5 .9	1.0 .8 .7	1.1 .7 .8	.9 .7 .5	.0 .7 1.1	1.3 .8 .9	1.0 .9 .1
WAGES AND SALARIES										
Civilian workers	139.9 140.4 139.8	141.1 141.7 140.9	1.1 .7 1.1	.9 .7 .9	.9 .7 1.0	1.1 .7 1.2	.7 .8 .7	.5 .6 .4	1.2 1.0 1.2	.9 .9 .8
Industry										
Goods producing <sup>2,6</sup> Construction <sup>3</sup> Manufacturing <sup>6</sup> Durables <sup>6</sup> Nondurables	137.3 131.7 139.0 139.1 138.6	138.5 132.7 140.2 140.4 139.8	.5 .6 .7 .5	1.1 1.0 1.1 1.1 .9	.9 1.3 .7 .8 .6	.8 .2 1.0 1.0	.7 1.0 .6 .7	.8 1.2 .8 .7 .6	.7 .5 .8 .9	.9 .8 .9 .9
Service producing <sup>4</sup>	140.8 137.0 142.1 138.2	142.0 137.5 144.3 138.6	1.4 .9 .5 1.0	.9 .5 1.9 .8	.9 .8 .4 .9	1.4 1.0 1.8 1.3	.7 .6 1.5	.3 .1 4 .9	1.4 1.3 .9 1.4	.9 .4 1.5 .3
Finance, insurance, and real estate <sup>3,6</sup>	142.4 143.3	144.5 144.4	3.3 1.3	1.5 .7	1.7 .9	2.4 1.1	1.2 .7	-1.9 .9	3.8 .8	1.5 .8
Nonmanufacturing	139.7	140.8	1.4	.8	1.0	1.2	1.0	.2	1.3	.8

See footnotes at end of table.

TABLE A-1. Employment Cost Index for total compensation, 1 wages and salaries, and benefit costs by industry and occupational group, selected periods, 1997-99 — Continued

(Seasonally adjusted data)

		s (June =100)	Percent changes for 3-months ended—								
Industry and occupational group	June 1999	Sep. 1999	Dec. 1997	Mar. 1998	June 1998	Sep. 1998	Dec. 1998	Mar. 1999	June 1999	Sep. 1999	
WAGES AND SALARIES-Continued											
Occupational group											
White collar Blue collar <sup>6</sup> Service <sup>3</sup>	142.1 135.6 138.0	143.4 136.8 137.9	1.4 .6 .9	0.9 .9 .8	1.0 .8 .8	1.4 .8 .8	0.9 .6 .6	0.1 .8 1.2	1.4 1.0 1.0	0.9 .9 1	
BENEFIT COSTS											
Civilian workers State and local government Private industry	146.3 144.3 146.8	147.5 144.7 148.1	.9 .5 1.0	.4 .7 .4	.7 .7 .7	.7 .9 .6	.6 .6 .7	.3 .6 .2	.9 .6 1.0	.8 .3 .9	
Industry											
Goods producing <sup>2</sup>	145.0 144.3	146.2 145.7	.2 .3	1 1	.5 .4	.4 .3	.3 .1	.7 .6	.5 .5	.8 1.0	
Service producing <sup>4</sup>	147.8	149.3	1.5	.5	.8	.8	.9	1	1.3	1.0	
Nonmanufacturing	147.9	149.3	1.2	.6	.8	.8	.8	.1	1.2	.9	
Occupational group											
White collar	149.3 143.5 147.6	151.0 144.7 148.2	1.3 .2 .6	.5 .3 .8	.7 .6 .3	.8 .4 .6	.8 .5 .3	.0 .6 1.0	1.1 .7 .9	1.1 .8 .4	

(http://stats.bls.gov/ecthome.htm). All series will continue to be published until

Includes wages, salaries, and employer costs for employee benefits.
 Includes mining, construction, and manufacturing.
 Average standard errors (SE) for the unadjusted series upon which this Average standard errors (SE) for the dradusted series upon which this series is based exceeded 0.3 percent for 3-month changes and 0.6 percent for 12-month changes for the 5 years ending December 1997. To assist users in ascertaining the reliability of the series, SEs for estimates in this publication (excluding seasonally adjusted series) will be available on the Internet site

further notice.

4 Includes transportation, communications, and public utilities; wholesale and retail trade; finance, insurance, and real estate; and service industries.

<sup>5</sup> Estimates for transportation and public utilities reflect the changes in

SIC coding. See Technical Note for further information.

6 No identifiable seasonality was found for this series.

TABLE A-2. Employment Cost Index for total compensation<sup>1</sup> for civilian and State and local government workers by industry and occupational group, selected periods, 1998-99

1998   1999   1998   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1998   1999   1998   1999   1998   1999   1998   1998   1999   1998   1999   1998   1999   1998   1999   1998   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999   1998   1999	
1998   1999   1999   1999   Sep.   June   1999	
Service   Serv	Sep. 1999
Industry   Goods producing <sup>2</sup>	3.1
Goods producing2       137.2       140.0       141.2       .7       .7       .9       2.7       2.7         Manufacturing       138.2       140.9       142.1       .7       .7       .9       2.7       2.7         Service producing3       139.6       142.4       144.0       1.4       1.1       1.1       4.0       3.4         Services       140.8       143.2       145.1       1.3       .6       1.3       3.2       3.0         Health services       139.1       141.4       142.7       .4       .6       .9       1.8       2.1         Hospitals       139.4       142.2       143.4       .9       .6       .8       2.8       2.9         Educational services       140.2       141.7       144.6       1.8       .3       2.0       2.7       2.9         Public administration4       138.9       141.5       142.4       1.1       .5       .6       3.6       3.0         Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         White collar       140.6       143.3       145.0       1.4       1.0       1.2       <	3.2
Manufacturing       138.2       140.9       142.1       .7       .7       .9       2.7       2.7         Service producing <sup>3</sup> 139.6       142.4       144.0       1.4       1.1       1.1       4.0       3.4         Services       140.8       143.2       145.1       1.3       .6       1.3       3.2       3.0         Health services       139.1       141.4       142.7       .4       .6       .9       1.8       2.1         Hospitals       139.4       142.2       143.4       .9       .6       .8       2.8       2.9         Educational services       140.2       141.7       144.6       1.8       .3       2.0       2.7       2.9         Public administration <sup>4</sup> 138.9       141.5       142.4       1.1       .5       .6       3.6       3.0         Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         Excluding sales       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.4       145.1       1.2       .8	
Service producing <sup>3</sup> 139.6       142.4       144.0       1.4       1.1       1.1       4.0       3.4         Services       140.8       143.2       145.1       1.3       .6       1.3       3.2       3.0         Health services       139.1       141.4       142.7       .4       .6       .9       1.8       2.1         Hospitals       139.4       142.2       143.4       .9       .6       .8       2.8       2.9         Educational services       140.2       141.7       144.6       1.8       .3       2.0       2.7       2.9         Public administration <sup>4</sup> 138.9       141.5       142.4       1.1       .5       .6       3.6       3.0         Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         Occupational group         White collar       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.3       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0	2.9
Services       140.8       143.2       145.1       1.3       6       1.3       3.2       3.0         Health services       139.1       141.4       142.7       .4       .6       .9       1.8       2.1         Hospitals       139.4       142.2       143.4       .9       .6       .8       2.8       2.9         Educational services       140.2       141.7       144.6       1.8       .3       2.0       2.7       2.9         Public administration <sup>4</sup> 138.9       141.5       142.4       1.1       .5       .6       3.6       3.0         Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         Occupational group         White collar       140.6       143.3       145.0       1.4       1.0       1.1       3.9       3.4         Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative support, including clerical       14	2.8
Health services	3.2
Hospitals	3.1
Educational services       140.2       141.7       144.6       1.8       .3       2.0       2.7       2.9         Public administration <sup>4</sup> 138.9       141.5       142.4       1.1       .5       .6       3.6       3.0         Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         Occupational group         White collar       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service	2.6
Public administration <sup>4</sup> 138.9       141.5       142.4       1.1       .5       .6       3.6       3.0         Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         Occupational group         White collar       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	2.9
Nonmanufacturing       139.0       141.9       143.4       1.2       1.0       1.1       3.9       3.4         Occupational group         White collar       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	3.1
Occupational group         White collar       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	2.5
White collar       140.6       143.3       145.0       1.4       1.0       1.2       4.0       3.3         Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	3.2
Excluding sales       140.6       143.4       145.1       1.2       .8       1.2       3.7       3.2         Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	
Professional specialty and technical       140.0       142.2       143.9       1.2       .6       1.2       3.1       2.8         Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	3.1
Executive, administrative, and managerial       141.7       145.4       147.3       1.4       1.3       1.3       4.7       4.1         Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	3.2
Administrative support, including clerical       140.4       143.4       144.7       .8       .6       .9       3.4       2.9         Blue collar       135.3       138.3       139.5       .7       .9       .9       2.7       3.0         Service <sup>5</sup> 139.4       142.4       143.1       1.1       .8       .5       3.6       3.3	2.8
Blue collar	4.0
Service <sup>5</sup>	3.1
	3.1
State and local government         139.0         141.0         143.1         1.5         .4         1.5         3.0         3.0	2.7
	2.9
Industry	
Services	3.0
Excluding schools <sup>5,6</sup>	2.8
	2.8
	2.9
Educational services	3.1
Schools	3.2
Elementary and secondary	3.0
	3.4
Public administration <sup>4</sup>	2.5
Occupational group	
White collar	3.0
	3.1
Executive, administrative, and managerial   140.4   142.8   144.5   1.8   .1   1.2   3.5   3.6	2.9
	2.5
Blue collar	3.0
Service <sup>5</sup>	2.6

<sup>1</sup> Includes wages, salaries, and employer costs for employee benefits.

3-month changes and 0.6 percent for 12-month changes for the 5 years ending December 1997. To assist users in ascertaining the reliability of the series, SEs for estimates in this publication (excluding seasonally adjusted series) will be available on the Internet site (http://stats.bls.gov/ecthome.htm). All series will continue to be published until further notice.

6 Formerly called hospitals and other services.

Includes wages, salaries, and employer costs for employee peneits.

Includes mining, construction, and manufacturing.

Includes transportation, communications, and public utilities; wholesale and retail trade; finance, insurance, and real estate; service industries; and

public administration.

4 Includes executive, legislative, judicial, administrative, and regulatory activities of State and local governments, SICs 91 through 96.

5 Average standard errors (SE) for the series exceed 0.3 percent for

TABLE A-3. Employment Cost Index for total compensation<sup>1</sup> for private industry workers by industry and occupational group, selected periods, 1998-99

	Indexes	June 19	89=100)		F	ercent cha	anges for-	_	
Industry and occupational group	_			3 m	onths end	ed-	12 n	nonths end	ded-
	Sep.	June	Sep.	Sep.	June	Sep.	Sep.	June	Sep.
	1998	1999	1999	1998	1999	1999	1998	1999	1999
Private industry workers	139.0	142.0	143.3	1.1	1.1	0.9	3.8	3.3	3.1
	138.8	141.9	143.2	.9	1.0	.9	3.5	3.2	3.2
Industry									
Goods producing <sup>2</sup> Excluding sales	137.1	139.9	141.1	.7	.7	.9	2.6	2.7	2.9
	136.5	139.3	140.5	.7	.7	.9	2.6	2.7	2.9
White collar Excluding sales	139.7	142.7	143.9	.6	.7	.8	3.0	2.8	3.0
	138.3	141.3	142.5	.7	.7	.8	2.8	2.8	3.0
	135.5	138.3	139.4	.7	.9	.8	2.3	2.7	2.9
Construction <sup>3</sup>	133.4	136.9	137.9	.5	1.0	.7	2.9	3.2	3.4
ManufacturingWhite collar	138.2	140.9	142.1	.7	.7	.9	2.7	2.7	2.8
	140.1	143.0	144.3	.7	.8	.9	3.2	2.8	3.0
Excluding sales	138.3 136.8 138.5 139.3	141.3 139.4 141.0 142.4	142.5 140.5 142.3 143.7	.7 .7 .8 .3	.9 .6 .8 1.4	.8 .8 .9	2.8 2.3 2.6 1.1	2.9 2.6 2.6 2.5	3.0 2.7 2.7 3.2
White collar	137.4	139.5	139.8	.2	1.6	.2	2.1	1.8	1.7
	140.8	145.7	149.0	.5	1.0	2.3	7	4.0	5.8
	137.6	140.4	141.5	.7	.6	.8	2.9	2.7	2.8
Service producing <sup>4</sup>	139.6	142.8	144.1	1.3	1.3	.9	4.3	3.6	3.2
Excluding sales	140.0	143.3	144.6	1.1	1.1	.9	4.1	3.5	3.3
	141.2	144.3	145.8	1.4	1.4	1.0	4.7	3.6	3.3
	142.2	145.5	147.0	1.1	1.2	1.0	4.3	3.5	3.4
Blue collar	134.3	137.8	139.1	.8	1.2	.9	3.3	3.5	3.6
	137.0	140.5	140.8	.9	.9	.2	3.2	3.5	2.8
Transportation and public utilities <sup>5</sup>	138.5	140.9	141.8	1.0	.9	.6	4.2	2.8	2.4
	136.7	138.1	138.7	1.3	1.0	.4	3.5	2.4	1.5
	140.7	144.6	145.7	.7	.8	.8	5.2	3.5	3.6
Communications	140.5	144.9	146.1	.9	1.1	.8	6.6	4.1	4.0
Electric, gas, and sanitary services	141.0	144.2	145.1	.5		.6	3.7	2.8	2.9
Wholesale and retail trade Excluding sales Wholesale trade <sup>3</sup>	137.6 138.1	141.1 141.9	142.2 142.8	1.3 1.3	1.6 1.4	.8 .6	3.9 3.8	3.9 4.1	3.3 3.4
Excluding sales  Retail trade  General merchandise stores <sup>3</sup> Food stores <sup>3</sup>	140.8	144.6	146.3	1.6	1.3	1.2	4.6	4.3	3.9
	140.0	144.0	145.8	1.3	1.1	1.3	4.1	4.2	4.1
	135.9	139.1	140.0	1.1	1.7	.6	3.7	3.5	3.0
	133.2	135.6	137.2	.2	.4	1.2	3.6	2.0	3.0
	133.7	135.7	137.0	.6	1.0	1.0	3.0	2.1	2.5
Finance, insurance, and real estate <sup>3</sup>	141.0	145.8	147.6	1.9	3.0	1.2	8.0	5.3	4.7
Excluding sales	143.2	148.8	151.0	1.3	2.2	1.5	7.3	5.3	5.4
Banking, savings and loan, and other credit agencies <sup>3</sup>	148.4	155.4	159.3	2.1	4.4	2.5	11.5	7.0	7.3
	141.9	144.0	144.5	2.2	1.6	.3	6.6	3.7	1.8
Excluding sales	141.6 141.8	145.4	146.2	.5 1.1	.6 .8	.6 1.0	3.1 3.5	3.2	3.2
Business services <sup>3</sup> Health services  Hospitals  Nursing homes  Educational services	143.5 139.0 139.1 - 147.0	148.7 141.4 142.1 - 148.7	150.7 142.6 143.0 - 152.2	2.0 .2 .7 1.0 2.2	.8 .6 .6 .9	1.3 .8 .6 .9 2.4	5.3 1.5 2.7 3.3 3.8	5.7 1.9 2.8 3.8 3.3	5.0 2.6 2.8 3.7 3.5
Colleges and universities	147.8	149.6	152.6	2.1	.3	2.0	3.7	3.3	3.2

TABLE A-3. Employment Cost Index for total compensation for private industry workers by industry and occupational group, selected periods, 1998-99 — Continued

	Indexes	(June 19	39=100)		F	ercent cha	anges for-	_	
Industry and occupational group	0	June	Sep.	3 m	onths end	ed-	12 n	nonths end	led-
	Sep. 1998	1999	1999	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999
Industry-Continued									
Nonmanufacturing industries	138.9	142.0	143.4	1.2	1.2	1.0	4.2	3.5	3.2
White collar	141.1	144.1	145.6	1.4	1.3	1.0	4.6	3.5	3.2
Excluding sales	142.0	145.3	146.8	1.1	1.1	1.0	4.3	3.4	3.4
Blue collar	133.4	136.8	138.0	.8	1.2	.9	3.1	3.3	3.4
Service	136.9	140.4	140.7	.9	.9	.2	3.2	3.5	2.8
Occupational group									
White collar	141.1	144.1	145.6	1.2	1.2	1.0	4.4	3.4	3.2
Excluding sales	141.3	144.5	146.0	1.0	1.0	1.0	4.0	3.3	3.3
Professional specialty and technical	141.6	144.1	145.2	1.1	.8	.8	3.6	2.9	2.5
Executive, administrative, and managerial	141.9	145.8	147.7	1.4	1.5	1.3	5.0	4.1	4.1
Sales <sup>3</sup>	140.4	142.6	144.1	2.3	2.1	1.1	6.2	3.9	2.6
Administrative support, including	1 10.1	1 12.0		0			0.2	0.0	0
clerical	140.6	143.7	145.0	.7	.8	.9	3.5	2.9	3.1
Blue collar	135.2	138.2	139.4	.7	.9	.9	2.7	2.9	3.1
Precision production, craft, and repair	135.4	138.4	139.6	.7	.9	.9	2.8	3.0	3.1
Machine operators, assemblers, and	100.4	100.4	100.0	.,	.5	.5	2.0	0.0	0.1
inspectors	135.7	138.4	139.9	.7	.8	1.1	2.6	2.7	3.1
Transportation and material moving	130.7	133.6	134.4	.6	1.5	.6	2.1	2.8	2.8
Handlers, equipment cleaners, helpers, and									
laborers	138.5	142.3	143.2	.7	.9	.6	3.2	3.4	3.4
Service	137.3	140.6	141.0	1.0	.8	.3	3.2	3.4	2.7
Production and nonsupervisory									
occupations <sup>6</sup>	138.0	140.8	141.9	1.0	1.1	.8	3.6	3.1	2.8

<sup>4</sup> Includes transportation, communications, and public utilities; wholesale and retail trade; finance, insurance, and real estate; and service industries.

<sup>5</sup> Estimates for transportation and public utilities reflect the changes in SIC coding. See Technical Note for further information.

<sup>6</sup> This series has the same industry and occupational coverage as the Hourty Estraines Index, which was discontinued in January 1989.

NOTE: Dashes indicate data not available.

<sup>1</sup> Includes wages, salaries, and employer costs for employee benefits.
2 Includes mining, construction, and manufacturing.
3 Average standard errors (SE) for the series exceed 0.3 percent for 3-month changes and 0.6 percent for 12-month changes for the 5 years ending December 1997. To assist users in ascertaining the reliability of the series, SEs for estimates in this publication (excluding seasonally adjusted series) will be available on the Internet site (http://stats.bls.gov/ecthome.htm). All series will continue to be published until further notice.

Hourly Earnings Index, which was discontinued in January 1989.

TABLE A-4. Employment Cost Index for total compensation<sup>1</sup> for private industry workers by bargaining status, region, and area, selected periods, 1998-99

	Indexes	(June 19	89=100)		F	ercent cha	anges for-	_	
Bargaining status, region, and area	Cara	1	Com	3 m	onths end	ed-	12 n	nonths ended-	
	Sep.	June	Sep.	Sep.	June	Sep.	Sep.	June	Sep.
	1998	1999	1999	1998	1999	1999	1998	1999	1999
Bargaining status									
Union	136.8	139.0	140.2	1.1	0.7	0.9	2.7	2.7	2.5
	134.6	136.7	137.8	1.0	.8	.8	2.6	2.6	2.4
Goods-producing industries <sup>2</sup>	135.6	138.2	139.2	1.0	1.1	.7	2.5	2.9	2.7
Service-producing industries	138.0	139.7	141.0	1.3	.4	.9	3.0	2.6	2.2
Manufacturing	136.0	138.1	139.1	1.0	.8	.7	2.3	2.6	2.3
	135.5	137.5	138.5	1.0	.7	.7	2.2	2.5	2.2
	136.9	139.2	140.3	1.2	.8	.8	3.0	2.9	2.5
Nonunion	139.3	142.5	143.8	1.1	1.2	.9	4.0	3.4	3.2
	135.5	139.0	140.3	.6	1.0	.9	2.8	3.2	3.5
Goods-producing industries <sup>2</sup>	137.7	140.5	141.8	.6	.6	.9	2.8	2.6	3.0
Service-producing industries	139.7	143.0	144.4	1.2	1.3	1.0	4.5	3.6	3.4
Manufacturing	138.9	141.7	143.0	.7	.7	.9	2.8	2.7	3.0
	137.4	140.2	141.6	.5	.5	1.0	2.4	2.6	3.1
	139.1	142.4	143.8	1.2	1.3	1.0	4.3	3.6	3.4
Region <sup>3</sup>									
Northeast South Midwest West	138.7	141.5	143.2	1.2	.7	1.2	3.5	3.3	3.2
	137.6	140.7	141.8	.9	1.2	.8	3.8	3.2	3.1
	140.9	143.6	145.0	.9	1.3	1.0	3.5	2.9	2.9
	138.5	142.1	143.3	1.4	1.3	.8	4.5	4.0	3.5
Area									
Metropolitan Other	139.1	142.0	143.3	1.2	1.1	.9	3.9	3.3	3.0
	138.2	141.8	143.1	.8	.9	.9	3.3	3.4	3.5

<sup>1</sup> Includes wages, salaries, and employer costs for employee benefits.

Texas, Virginia, and West Virginia; Midwest-Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West-Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: The indexes for these series are not strictly comparable to those for the aggregate, occupation, and industry series.

Includes wages, salaties, and employer code for employer 2 Includes mining, construction, and manufacturing.

The regional coverage is as follows: Northeast—Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South—Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee,

TABLE A-5. Employment Cost Index for wages and salaries for civilian and State and local government workers by industry and occupational group, selected periods, 1998-99

	Indexes	(June 19	89=100)		F	ercent ch	anges for-	_	
Industry and occupational group	0		0	3 m	onths end	ed-	12 n	nonths end	-bet
	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999
Civilian workers	136.8 136.6	139.8 139.6	141.3 141.1	1.3 1.3	1.0 .9	1.1 1.1	4.0 3.7	3.6 3.5	3.3 3.3
Industry									
Goods producing <sup>1</sup> Manufacturing  Service producing <sup>2</sup> Services  Health services  Hospitals  Educational services  Public administration <sup>3</sup> Nonmanufacturing  Occupational group  White collar  Excluding sales  Professional specialty and technical  Executive, administrative, and managerial  Administrative support, including clerical  Blue collar  Service <sup>4</sup>	134.4 136.0 137.8 139.6 137.6 136.4 139.1 134.8 137.0 138.8 138.5 140.5 137.5 132.6 136.1	137.4 139.0 140.7 142.3 139.7 138.8 140.6 137.8 139.9	138.6 140.2 142.3 144.1 140.9 140.1 143.7 139.5 141.5	1.5 1.5 1.5 1.9 1.2 1.4 1.5 1.3 1.4 1.6 1.0 9	.8 .8 1.1 .6 .6 .5 .3 .7 1.1	.9 .9 1.1 1.3 .9 .9 2.2 1.2 1.1 1.5 1.0 .9	3.5 3.6 4.2 3.6 2.5 2.9 2.8 3.5 4.2 4.4 4.0 3.4 5.2 3.6 3.3 3.5	3.1 3.3 3.7 3.4 2.3 2.7 3.0 3.5 3.6 3.6 3.5 3.2 4.0 3.5 3.3 3.3 3.6	3.1 3.3 3.2 2.4 2.7 3.3 3.5 3.5 3.3 3.2 3.4 3.0 3.8 3.5 3.3 2.9
State and local government	137.6	139.6	142.2	1.6	.4	1.9	3.0	3.1	3.3
Industry									
Services  Excluding schools <sup>4,5</sup> Health services  Hospitals  Educational services  Schools  Elementary and secondary  Colleges and universities  Public administration <sup>3</sup>	138.4 137.8 138.7 138.6 138.4 138.5 138.7 137.7	139.9 139.6 140.4 140.6 139.8 140.0 139.9 139.8 137.8	142.9 142.1 142.8 142.8 142.9 143.1 143.1 142.6 139.5	1.8 1.7 1.6 1.5 1.9 1.8 1.9 1.6	.3 .4 .5 .6 .2 .3 .3 .1	2.1 1.8 1.7 1.6 2.2 2.2 2.3 2.0 1.2	2.7 3.4 3.6 3.7 2.7 2.7 2.5 3.1 3.5	2.9 3.0 2.9 3.0 2.9 2.9 2.8 3.2 3.5	3.3 3.1 3.0 3.0 3.3 3.3 3.2 3.6 3.5
Occupational group									
White collar	137.6 137.9 138.0 135.4 135.1 139.2	139.3 139.4 140.5 137.5 137.6 142.1	142.1 142.5 142.7 139.6 139.4 144.1	1.8 1.7 1.8 1.6 1.2	.3 .4 .3 .1 .5	2.0 2.2 1.6 1.5 1.3	2.9 2.6 3.7 3.0 3.0 3.7	3.0 2.8 3.6 3.2 3.1 3.6	3.3 3.3 3.4 3.1 3.2 3.5

3-month changes and 0.6 percent for 12-month changes for the 5 years ending December 1997. To assist users in ascertaining the reliability of the series, SEs for estimates in this publication (excluding seasonally adjusted series) will be available on the Internet site (http://stats.bls.gov/ecthome.htm). All series will continue to be published

until further notice.

5 Formerly called hospitals and other services.

<sup>1</sup> Includes mining, construction, and manufacturing.
2 Includes transportation, communications, and public utilities; wholesale and retail trade; finance, insurance, and real estate; service industries; and

public administration.

3 Includes executive, legislative, judicial, administrative, and regulatory activities of State and local governments, SICs 91 through 96.

4 Average standard errors (SE) for the series exceed 0.3 percent for

TABLE A-6. Employment Cost Index for wages and salaries for private industry workers by industry and occupational group, selected periods, 1998-99

	Indexes	(June 19	89=100)		F	ercent cha	anges for-		
Industry and occupational group				3 m	onths end	ed-	12 n	nonths end	ded-
	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999
Private industry workers	136.6	139.7	141.0	1.3	1.2	0.9	4.3	3.6	3.2
Excluding sales occupations	136.3	139.6	140.8	1.1	1.0	.9	3.9	3.6	3.3
Industry									
Goods producing <sup>1</sup>	134.3	137.3	138.5	.8	.7	.9	3.4	3.1	3.1
Excluding sales	133.6	136.6	137.8	.8	.8	.9	3.3	3.1	3.1
White collar	137.4	140.5	141.7	.8	.8	.9	3.9	3.1	3.1
Excluding sales	135.7	138.8	140.1	.8	.7	.9	3.7	3.1	3.2
Blue collar	132.3	135.4	136.6	.8	.8	.9	3.0	3.1	3.3
Construction <sup>2</sup>	128.5	131.9	133.0	.3	.9	.8	3.0	3.0	3.5
Manufacturing	136.0	139.0	140.2	1.0	.8	.9	3.6	3.3	3.1
White collar	138.3	141.4	142.7	1.1	.9	.9	4.1	3.4	3.2
Excluding sales	136.3	139.6	140.8	1.0	.9	.9	3.8	3.4	3.3
Blue collar	134.3	137.2	138.4	.9	.7	.9	3.1	3.1	3.1
Durables	135.9	139.1	140.4	1.0	.9	.9	3.6	3.4	3.3
Aircraft manufacturing (SIC 3721)	137.2	141.5	142.7	.2	1.5	.8	2.9	3.4	4.0
White collar	133.9	138.0	138.3	.1	1.8	.2	3.6	3.2	3.3
Blue collar	141.0	145.5	148.9	.4	.7	2.3	1.9	3.6	5.6
Nondurables	136.0	138.7	139.7	.8	.5	.7	3.5	2.8	2.7
Service producing <sup>3</sup>	137.6	140.8	142.1	1.5	1.4	.9	4.6	3.8	3.3
Excluding sales	137.9	141.4	142.6	1.2	1.1	.8	4.2	3.8	3.4
White collar	139.2	142.3	143.8	1.6	1.4	1.1	5.0	3.9	3.3
Excluding sales	140.2	143.7	145.1	1.3	1.2	1.0	4.5	3.8	3.5
Blue collar	132.4	135.9	137.0	1.0	1.1	.8	3.5	3.7	3.5
Service	134.2	137.8	138.0	.9	.8	.1	3.4	3.6	2.8
Transportation and public utilities <sup>4</sup>	134.3	136.8	137.5	1.1	1.0	.5	3.2	3.0	2.4
Transportation <sup>2,4</sup>	132.4	133.7	134.4	1.5	1.1	.5	3.0	2.5	1.5
Public utilities	136.5	140.6	141.5	.6	1.0	.6	3.4	3.6	3.7
Communications	136.7	141.1	141.9	.7	1.2	.6	3.7	3.9	3.8
Electric, gas, and sanitary services	136.3	140.0	140.9	.5	.8	.6	3.1	3.2	3.4
Wholesale and retail trade	136.6	139.6	140.7	1.5	1.4	.8	4.4	3.7	3.0
Excluding sales	137.6	141.1	141.8	1.5	1.1	.5	4.1	4.1	3.1
Wholesale trade <sup>2</sup>	139.3	142.3	144.3	1.6	1.1	1.4	4.7	3.8	3.6
Excluding sales	139.6	143.0	144.8	1.3	.8	1.3	4.3	3.8	3.7
Retail trade	135.2	138.3	138.9	1.4	1.5	.4	4.1	3.8	2.7
General merchandise stores <sup>2</sup> Food stores <sup>2</sup>	132.2 131.7	134.3 132.8	135.6 133.9	.5 .9	.4 .8	1.0 .8	4.3 3.9	2.1 1.8	2.6 1.7
Finance, insurance, and real estate <sup>2</sup>	138.1	142.4	144.5	2.4	3.8	1.5	9.3	5.6	4.6
Excluding sales	139.7	144.8	147.5	1.6	2.7	1.9	8.0	5.3	5.6
Banking, savings and loan, and other									
credit agencies <sup>2</sup>		154.5	159.2	2.7	5.7	3.0	14.0	7.9	8.3
Insurance <sup>2</sup> Excluding sales	138.7 136.6	139.8 139.9	140.2 140.9	2.9 .7	1.7 .6	.3 .7	7.8 2.8	3.7 3.1	1.1 3.1
Services	140.0	143.2	144.5	1.2	.7	.9	3.9	3.5	3.2
Business services <sup>2</sup>	141.8	146.3	148.5	1.9	.6	1.5	5.1	5.1	4.7
Health services		139.6	140.6	.7	.6	.7	2.4	2.3	2.3
Hospitals	135.8	138.3	139.3	.8	.5	.7	2.7	2.7	2.6
Nursing homes		_	_	1.0	.9	.9	3.9	3.9	3.8
Educational services	142.8	144.2	147.5	2.3	.2	2.3	3.6	3.3	3.3
Colleges and universities	142.8	144.4	147.2	2.2	.2	1.9	3.6	3.4	3.1

TABLE A-6. Employment Cost Index for wages and salaries for private industry workers by industry and occupational group, selected periods, 1998-99 — Continued

	Indexes	(June 19	89=100)		F	ercent cha	anges for-	-	
Industry and occupational group	0	June	0	3 m	onths end	ed-	12 n	nonths end	ded-
	Sep. 1998	1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999
Industry–Continued									
Nonmanufacturing industries	136.5	139.7	141.0	1.3	1.3	0.9	4.4	3.7	3.3
White collar	138.9	142.0	143.5	1.5	1.4	1.1	4.9	3.8	3.3
Excluding sales	139.8	143.2	144.6	1.2	1.1	1.0	4.5	3.7	3.4
Blue collar	130.5	134.0	135.1	.8	1.2	.8	3.2	3.5	3.5
Service	134.1	137.7	137.9	.9	.9	.1	3.4	3.6	2.8
Occupational group									
White collar	139.0	142.1	143.5	1.5	1.3	1.0	4.7	3.7	3.2
Excluding sales	139.1	142.5	143.9	1.2	1.1	1.0	4.3	3.6	3.5
Professional specialty and technical	138.7	141.8	142.6	1.2	.8	.6	3.7	3.4	2.8
Executive, administrative, and managerial	140.9	144.3	146.4	1.6	1.7	1.5	5.5	4.0	3.9
Sales <sup>2</sup>	138.8	140.5	142.1	2.7	2.3	1.1	6.9	3.9	2.4
Administrative support, including									
clerical	137.9	141.4	142.7	.9	.7	.9	3.8	3.4	3.5
Blue collar	132.4	135.6	136.8	.8	1.0	.9	3.2	3.3	3.3
Precision production, craft, and repair	132.3	135.6	136.7	.8	1.0	.8	3.2	3.4	3.3
Machine operators, assemblers, and									
inspectors	133.8	136.7	138.3	.8	.7	1.2	3.3	3.0	3.4
Transportation and material moving	127.6	131.0	131.9	.9	1.5	.7	2.8	3.6	3.4
Handlers, equipment cleaners, helpers, and								0.0	
laborers	135.1	138.3	139.4	1.0	.7	.8	3.8	3.4	3.2
Service	134.4	137.8	138.0	1.1	.8	.1	3.5	3.6	2.7
Production and nonsupervisory									
occupations <sup>5</sup>	135.2	138.2	139.3	1.2	1.0	.8	3.9	3.4	3.0

and retail trade; finance, insurance, and real estate; and service industries.

4 Estimates for transportation and public utilities reflect the changes in

Includes mining, construction, and manufacturing.
 Average standard errors (SE) for the series exceed 0.3 percent for 3-month changes and 0.6 percent for 12-month changes for the 5 years ending December 1997. To assist users in ascertaining the reliability of the series, SEs for estimates in this publication (excluding seasonally adjusted series) will be available on the Internet site (http://stats.bls.gov/ecthome.htm). All series will continue to be published until further notice.

 $<sup>^{\</sup>mbox{\scriptsize 3}}$  Includes transportation, communications, and public utilities; wholesale

SIC coding. See Technical Note for further information.

<sup>5</sup> This series has the same industry and occupational coverage as the Hourly Earnings Index, which was discontinued in January 1989.

NOTE: Dashes indicate data not available.

TABLE A-7. Employment Cost Index for wages and salaries for private industry workers by bargaining status, region, and area, selected periods, 1998-99

	Indexes	(June 19	89=100)		P	ercent cha	anges for-	_	
Bargaining status, region, and area	0.00	1	Com	3 m	onths end	ed-	12 n	nonths end	ded-
	Sep.	June	Sep.	Sep.	June	Sep.	Sep.	June	Sep.
	1998	1999	1999	1998	1999	1999	1998	1999	1999
Bargaining status									
Union	132.4	134.7	135.7	1.3	0.8	0.7	3.2	3.1	2.5
	129.9	132.5	133.6	1.1	1.0	.8	3.1	3.1	2.8
Goods-producing industries <sup>1</sup>	131.0	133.8	134.9	1.2	1.1	.8	3.5	3.4	3.0
	134.1	135.8	136.8	1.4	.3	.7	2.8	2.7	2.0
Manufacturing	132.2	134.7	135.8	1.4	.8	.8	3.4	3.3	2.7
	131.4	134.1	135.1	1.1	.8	.7	3.0	3.2	2.8
	132.4	134.6	135.6	1.2	.7	.7	3.0	2.9	2.4
Nonunion	137.4	140.7	142.0	1.3	1.2	.9	4.4	3.7	3.3
	134.0	137.5	138.7	.8	1.0	.9	3.3	3.5	3.5
Goods-producing industries <sup>1</sup>	135.7	138.8	140.0	.7	.7	.9	3.4	3.0	3.2
Service-producing industries	137.9	141.3	142.6	1.5	1.4	.9	4.8	4.0	3.4
Manufacturing	137.3	140.5	141.7	.8	.8	.9	3.5	3.2	3.2
	136.2	139.2	140.5	.8	.5	.9	3.2	3.0	3.2
	137.1	140.5	141.8	1.3	1.4	.9	4.6	3.8	3.4
Region <sup>2</sup>									
Northeast South Midwest West	135.4	138.2	139.9	1.2	.8	1.2	3.6	3.3	3.3
	136.5	139.4	140.2	1.2	1.1	.6	4.5	3.3	2.7
	137.5	141.0	142.4	1.1	1.5	1.0	4.0	3.7	3.6
	136.7	140.2	141.3	1.6	1.4	.8	5.0	4.2	3.4
Area									
MetropolitanOther	136.9	139.9	141.2	1.3	1.2	.9	4.4	3.6	3.1
	134.7	138.4	139.8	1.0	.9	1.0	3.3	3.7	3.8

Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West—Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: The indexes for these series are not strictly comparable to those for the aggregate, occupation, and industry series.

<sup>&</sup>lt;sup>1</sup> Includes mining, construction, and manufacturing.
<sup>2</sup> The regional coverage is as follows: Northeast—Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South—Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest—Illinois, Indiana, Iowa,

TABLE A-8. Employment Cost Index for benefits for civilian, State and local government, and private industry workers by industry, occupational group, and bargaining status, selected periods, 1998-99

	Indexes	(June 19	89=100)		F	ercent ch	anges for-	_	
Industry, occupational group, and	0	1	Sep.	3 months ended-			12 months ended-		
bargaining status	Sep. 1998	June 1999	1999	Sep. 1998	June 1999	Sep. 1999	Sep. 1998	June 1999	Sep. 1999
Civilian workers	144.0 142.1	146.6 144.0	147.9 145.0	0.7 1.3	0.9 .3	0.9 .7	2.6 2.8	2.5 2.6	2.7 2.0
Private industry	144.5	147.3	148.6	.6	1.0	.9	2.6	2.5	2.8
Industry									
Goods producing <sup>1</sup> Service producing <sup>2</sup>	143.0 144.9	145.2 147.9	146.3 149.4	.4 .8	.7 1.2	.8 1.0	1.1 3.6	1.9 2.9	2.3 3.1
Manufacturing	142.6 143.8 145.5 140.7 145.0	144.5 144.3 142.7 146.3 148.0	145.7 145.6 142.9 149.5 149.4	.1 .5 .3 .9	.6 1.2 1.0 1.5 1.2	.8 .9 .1 2.2	.8 -2.6 9 -5.1 3.4	1.5 .8 -1.6 4.9 2.8	2.2 1.3 -1.8 6.3 3.0
Occupational group									
White collar Blue collar Service <sup>3</sup>	146.6 141.0 144.7	149.4 143.6 147.6	151.0 144.8 148.4	.7 .4 .7	1.0 1.0 .9	1.1 .8 .5	3.2 1.6 2.3	2.6 2.3 2.7	3.0 2.7 2.6
Bargaining status									
Union Nonunion	145.0 144.2	146.9 147.1	148.3 148.5	.8 .6	.8 1.0	1.0 1.0	2.0 2.9	2.2 2.6	2.3 3.0

ending December 1997. To assist users in ascertaining the reliability of the series, SEs for estimates in this publication (excluding seasonally adjusted series) will be available on the Internet site at http://stats.bls.gov/ecthome.htm. All series will continue to be published until further notice.

<sup>1</sup> Includes mining, construction, and manufacturing.
2 Includes transportation, communications, and public utilities;
wholesale and retail trade; finance, insurance, and real estate; and service industries.  $$^3$$  Average standard errors (SE) for the series exceed 0.3 percent for

<sup>3-</sup>month changes and 0.6 percent for 12-month changes for the 5 years